

FIG. 2

STTD Encoding

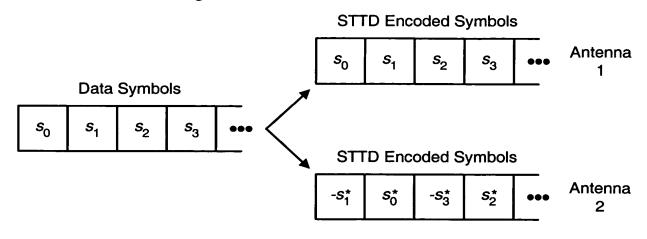


FIG. 3

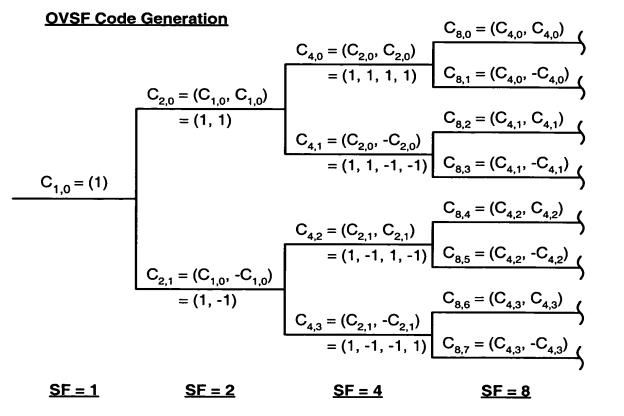


FIG. 4

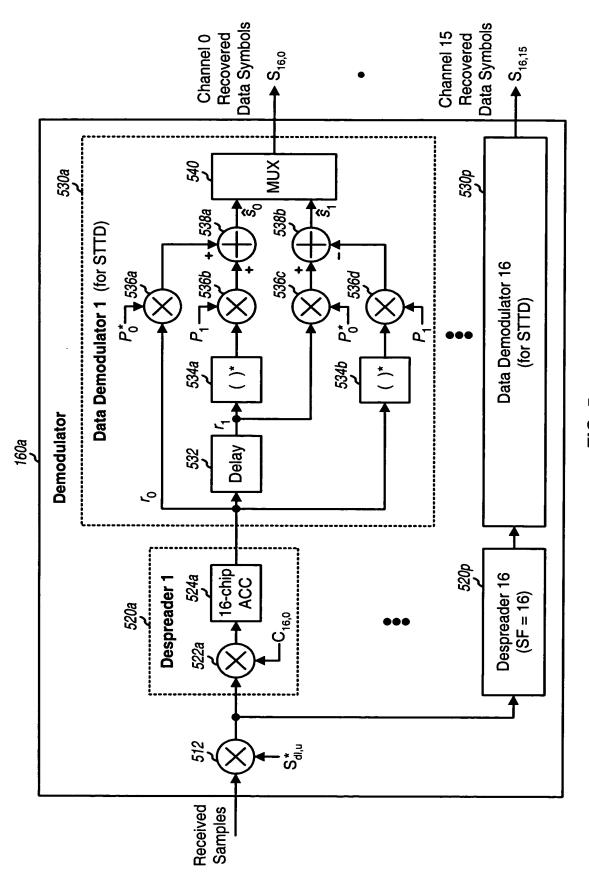
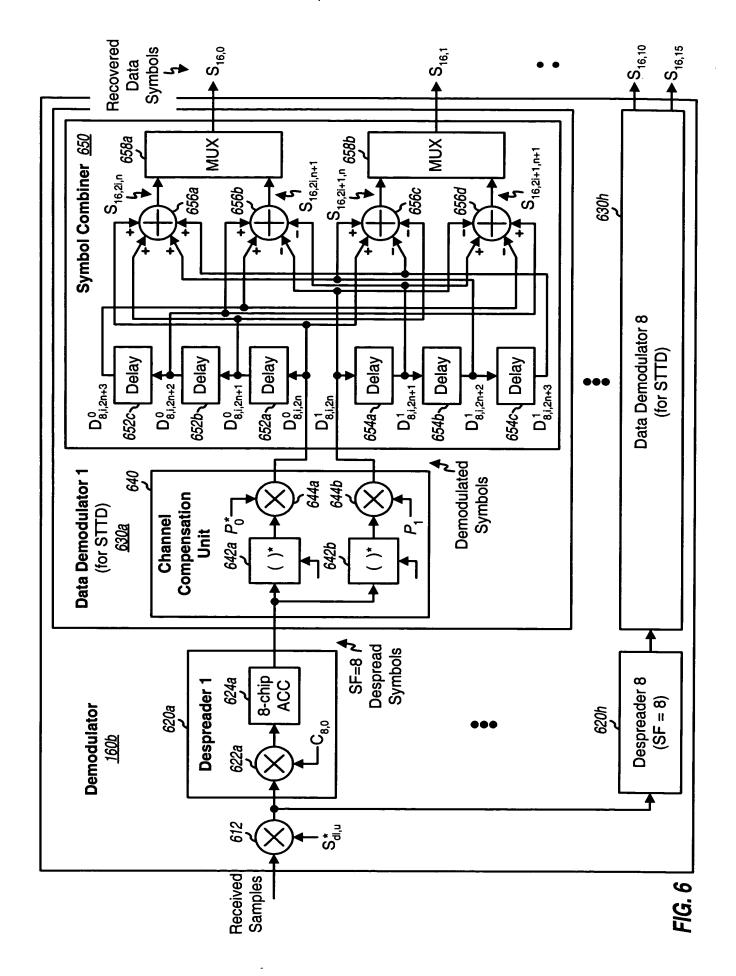
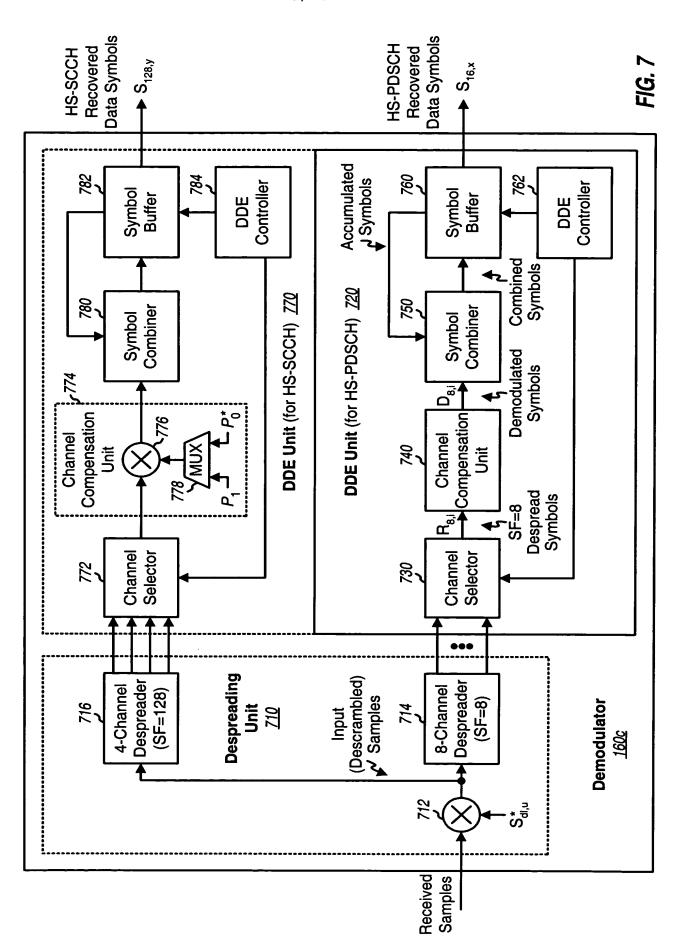
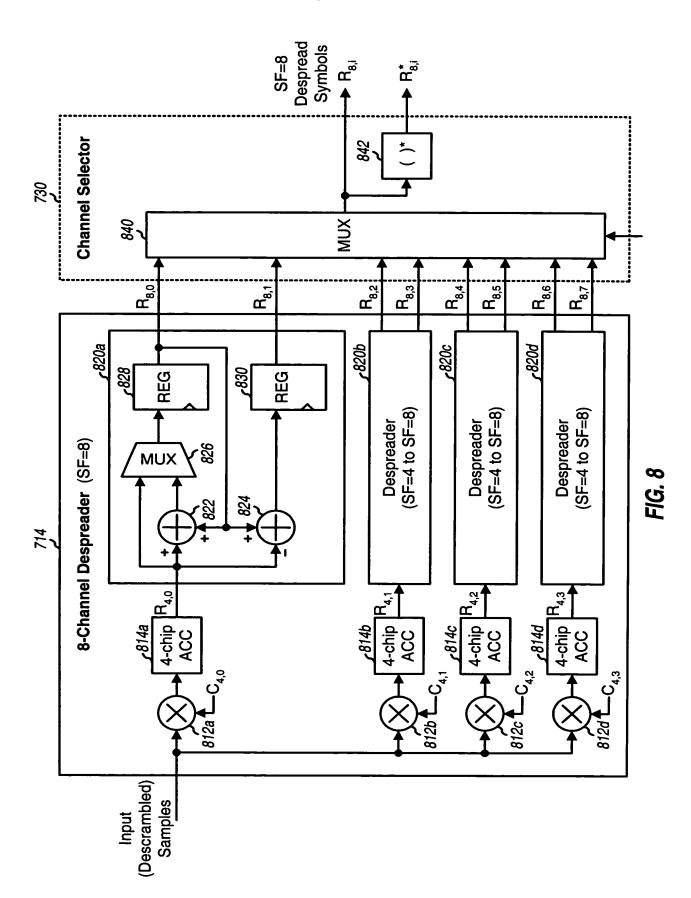


FIG. 5







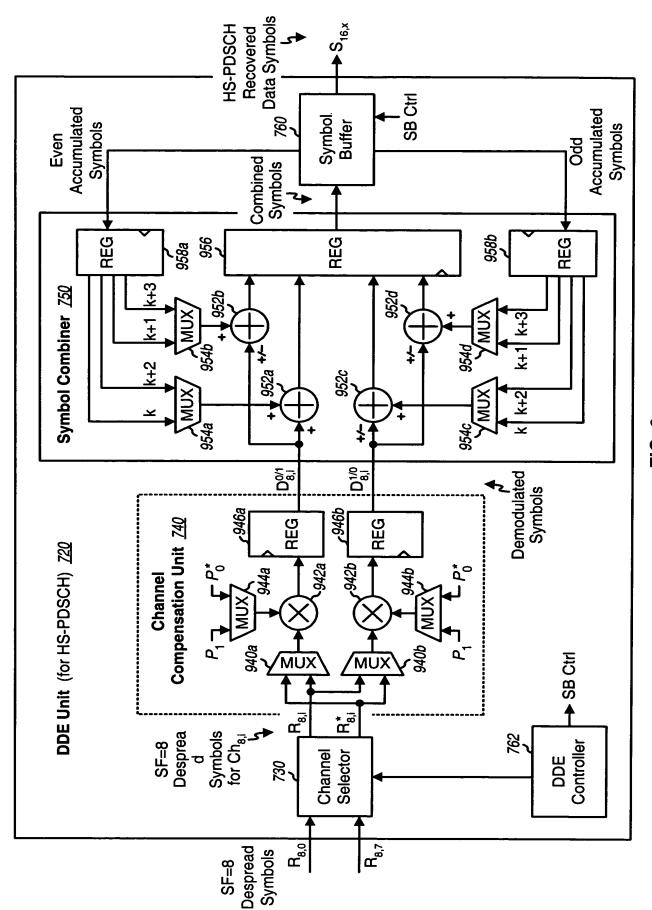


FIG. 9

		to FIG. 10B	<u> </u>		
		Multiply symbol for Ch _{8,5} with P_0 and P_1 and provide symbols $D_{8,5}^0$ and $D_{8,5}^1$	Combine symbols D _{8,4} and D _{8,4} with even and odd symbols for Ch _{16,8} and Ch _{16,9}	Store combined symbols for Ch _{16,4} , Ch _{16,5} , Ch _{16,6} , and Ch _{16,7} back to symbol buffer	Cycle 5
	Retrieve even and odd symbols for Ch _{16,8} , Ch _{16,9} , Ch _{16,10} , and Ch _{16,11} from symbol buffer	Multiply symbol for Ch _{8,4} with P_0 and P_1 and provide symbols $D_{8,4}^0$ and $D_{8,4}^1$	Combine symbols D _{8,3} and D _{8,3} with even and odd symbols for Ch _{16,6} and Ch _{16,7}		Cycle 4
Symbol period 2n ———		Multiply symbol for Ch _{8,3} with P_0 and P_1 and provide symbols $D_{8,3}^0$ and $D_{8,3}^1$	Combine symbols D _{8,2} and D _{8,2} with even and odd symbols for Ch _{16,4} and Ch _{16,5}	Store combined symbols for Ch _{16,0} , Ch _{16,1} , Ch _{16,2} , and Ch _{16,3} back to symbol buffer	Cycle 3
Symbol p	Retrieve even and odd symbols for Ch _{16,4} , Ch _{16,5} , Ch _{16,6} , and Ch _{16,7} from symbol buffer	Multiply symbol for Ch _{8,2} with P_0 and P_1 and provide symbols $D_{8,2}^0$ and $D_{8,2}^1$	Combine symbols D _{8,1} and D _{8,1} with even and odd symbols for Ch _{16,2} and Ch _{16,3}		Cycle 2
		Multiply symbol for Ch _{8,1} with P_0 and P_1 and provide symbols $D_{8,1}^0$ and $D_{8,1}^1$	Combine symbols D _{8,0} and D _{8,0} with even and odd symbols for Ch _{16,0} and Ch _{16,1}		Cycle 1
	Retrieve even and odd symbols for Ch _{16,0} , Ch _{16,1} , Ch _{16,1} , Ch _{16,3} from symbol buffer	Multiply symbol for Ch _{8,0} with P_0 and P_1 and provide symbols $D_{8,0}^0$ and $D_{8,0}^1$			Cycle 0

Cycle 2 Cycle 3 *FIG. 10A*

	Symbol p	Symbol period 2n ——		Symbol period 2n+1	riod 2n+1	
	Retrieve even and odd symbols for Ch _{16,12} , Ch _{16,14} , and Ch _{16,15} from symbol buffer	1010	Retrieve even and odd symbols for Ch _{16,0} , Ch _{16,1} , Ch _{16,2} , and Ch _{16,3} from symbol buffer		Retrieve even and odd symbols for Ch _{16,4} , Ch _{16,5} , Ch _{16,5} , from symbol buffer	
from FIG. 10A	Multiply symbol for Ch _{8,6} with P ₀ and P ₁ and provide symbols D _{8,6} and D _{8,6}	Multiply symbol for Ch _{8.7} with P_0 and P_1 and provide symbols $D_{8,7}^0$ and $D_{8,7}^1$	Multiply symbol for Ch _{8,0} with P_0 and P_1 and provide symbols $D_{8,0}^0$ and $D_{8,0}^1$	Multiply symbol for Ch _{8,1} with P_0 and P_1 and provide symbols $D_{8,1}^0$ and $D_{8,1}^0$	Multiply symbol for Ch _{8,2} with P_0 and P_1 and provide symbols $D_{8,2}^0$ and $D_{8,2}^0$	Multiply symbol for Ch _{8,3} with P_0 and P_1 and provide symbols $D_{8,3}^0$ and $D_{8,3}^1$
		Combine symbols D _{8,6} and D _{8,6} with even and odd symbols for Ch _{16,12} and Ch _{16,13}	Combine symbols D _{8,7} and D _{8,7} with even and odd symbols for Ch _{16,14} and Ch _{16,15}	Combine symbols D _{8,0} and D _{8,0} with even and odd symbols for Ch _{16,0} and Ch _{16,1}	Combine symbols D _{8,1} and D _{8,1} with even and odd symbols for Ch _{16,2} and Ch _{16,3}	Combine symbols D _{8,2} and D _{8,2} with even and odd symbols for Ch _{16,4} and Ch _{16,5}
		Store combined symbols for Ch _{16,8} , Ch _{16,9} , Ch _{16,10} , and Ch _{16,10} back to symbol buffer		Store combined symbols for Ch _{16,12} , Ch _{16,13} , Ch _{16,13} , Ch _{16,15} , and Ch _{16,15} back to symbol buffer		Store combined symbols for Ch _{16,0} , Ch _{16,1} , Ch _{16,1} , Ch _{16,1} , back to symbol buffer
	Cycle 6	Cycle 7	Cycle 0	Cycle 1	Cycle 2	Cycle 3

Cycle 0 Cycle 1 **FIG. 10B**

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		Memory	Bank 1 (SF≃16 Ch	annels 0,	1, 2, 3, 8, 9	9, 10, 11)	1110a
0	S _{16,0,0}	S _{16,0,1}	S _{16,1,0}	S _{16,1,1}	S _{16,2,0}	S _{16,2,1}	S _{16,3,0}	S _{16,3,1}
1	S _{16,0,2}	S _{16,0,3}	S _{16,1,2}	S _{16,1,3}	S _{16,2,2}	S _{16,2,3}	S _{16,3,2}	S _{16,3,3}
	•	•	•	•	•	•	•	•
79	S _{16,0,158}	S _{16,0,159}	S _{16,1,158}	S _{16,1,159}	S _{16,2,158}	S _{16,2,159}	S _{16,3,158}	S _{16,3,159}
80	S _{16,8,0}	S _{16,8,1}	S _{16,9,0}	S _{16,9,1}	S _{16,10,0}	S _{16,10,1}	S _{16,11,0}	S _{16,11,1}
	•	•	•	•	•	•	•••	•
159	S _{16,8,158}	S _{16,8,159}	S _{16,9,158}	S _{16,9,159}	S _{16,10,158}	S _{16,10,159}	S _{16,11,158}	S _{16,11,159}

		Memory E	3ank 2 (S	F=16 Cha	nnels 4, 5,	6, 7, 12, ·	13, 14, 15)	1110a
0	S _{16,4,0}	S _{16,4,1}	S _{16,5,0}	S _{16,5,1}	S _{16,6,0}	S _{16,6,1}	S _{16,7,0}	S _{16,7,1}
1	S _{16,4,2}	S _{16,4,3}	S _{16,5,2}	S _{16,5,3}	S _{16,6,2}	S _{16,6,3}	S _{16,7,2}	S _{16,7,3}
	•	••	•	•	•	•	•	•
1								
79	S _{16,4,158}	S _{16,4,159}	S _{16,5,158}	S _{16,5,159}	S _{16,6,158}	S _{16,6,159}	S _{16,7,158}	S _{16,7,159}
79 80	S _{16,4,158}	S _{16,4,159}	S _{16,5,158}	S _{16,5,159}	S _{16,6,158}	S _{16,6,159}	S _{16,7,158}	S _{16,7,159}
								!

FIG. 11

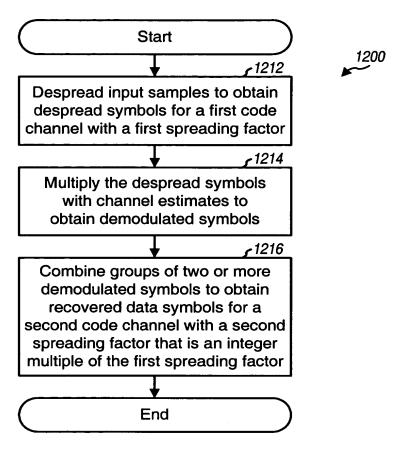


FIG. 12